

Bureau of Waste Management 2016 Update

KDHE Environmental Conference

by
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Director
Bureau of Waste Management

Our Mission: "To protect and improve the health and environment of all Kansans."



Bureau of Waste Management

Mission: To minimize the health and environmental impact associated with the generation, storage, transportation, treatment, and disposal of all solid and hazardous wastes in Kansas.



- Solid Waste Program
- Hazardous Waste Program
- Waste Tire Program
- Natural Disaster Debris Mgt



54 BWM Topeka staff
12 BEFS district inspectors

Permitted Solid Waste Facilities

MSW Small Arid Landfills	33
MSW Sub Title D Landfills	18
Industrial Landfills	33
C&D Landfills	95
Composting Facilities	178
Incinerators	1
Landfarms	2
Transfer Stations	66
Household Hazardous Waste	<u>87</u>
Total	513

Inspected 1 or more times per year

Permitted Facilities

Landfills



Permitted Facilities

Transfer Stations



Landfill Disposal of Solid Waste

Municipal Solid Waste	3 million tons
Construction & Demolition Waste	1 million tons
Industrial Waste	900,000 tons
Special Waste	500,000 tons
Waste Tires	40,000 tons
Total	5,440,000 tons/per year

4.2 million tons subject to \$1 tonnage fee

Trend – Minor decreases

Waste Reduction Activities

- Recycling/MRFs – unpermitted
- Composting – permitted
- Household Hazardous Waste - permitted

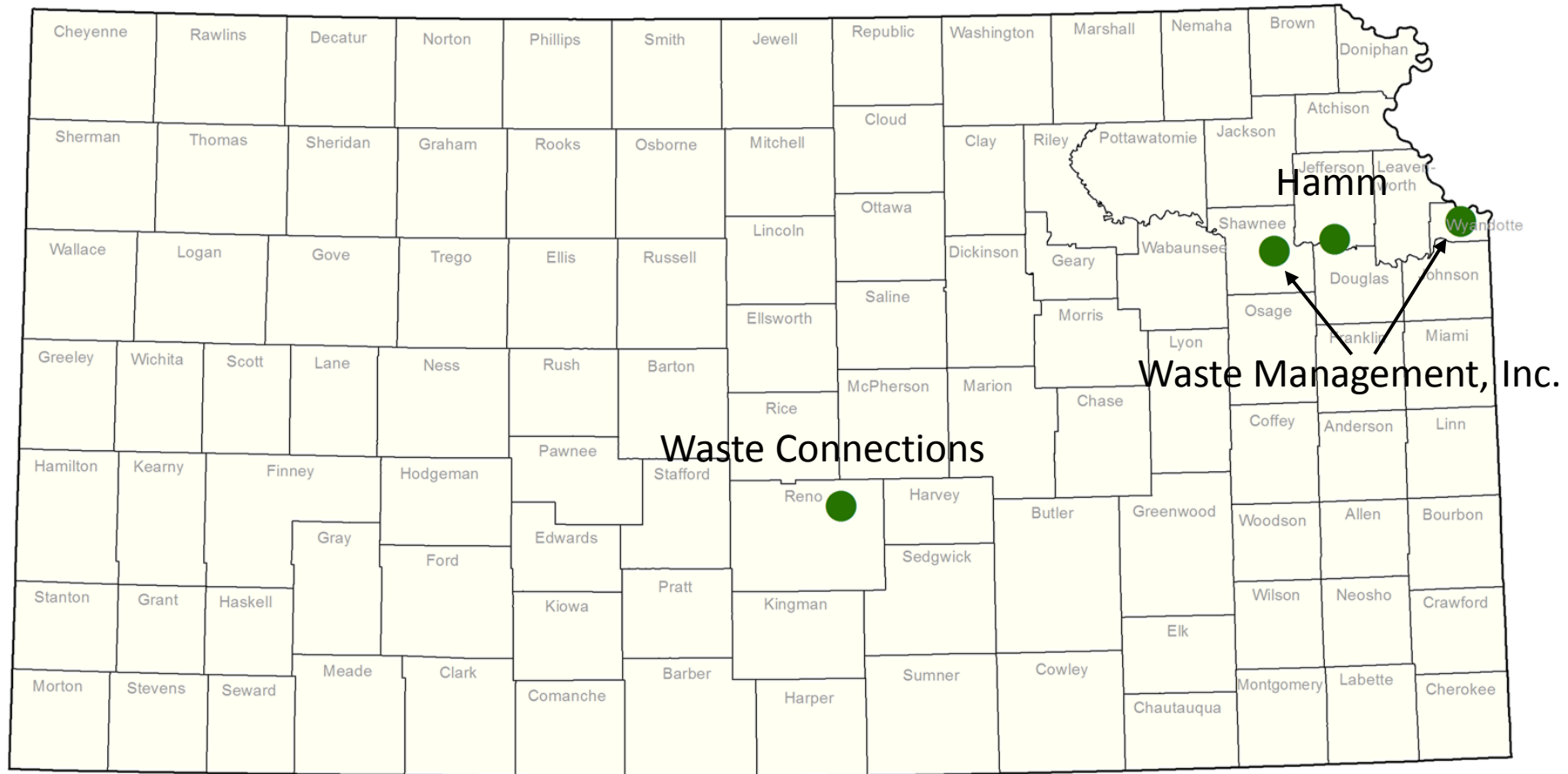
- **Grants**
- **Public education, outreach, special projects**

Waste Reduction/Diversion from Landfill

Recycling



Material Recycling Facilities (MRFs)



Process about 500,000 tons/yr

MRFs



Waste Reduction/Diversion from Landfill

Composting

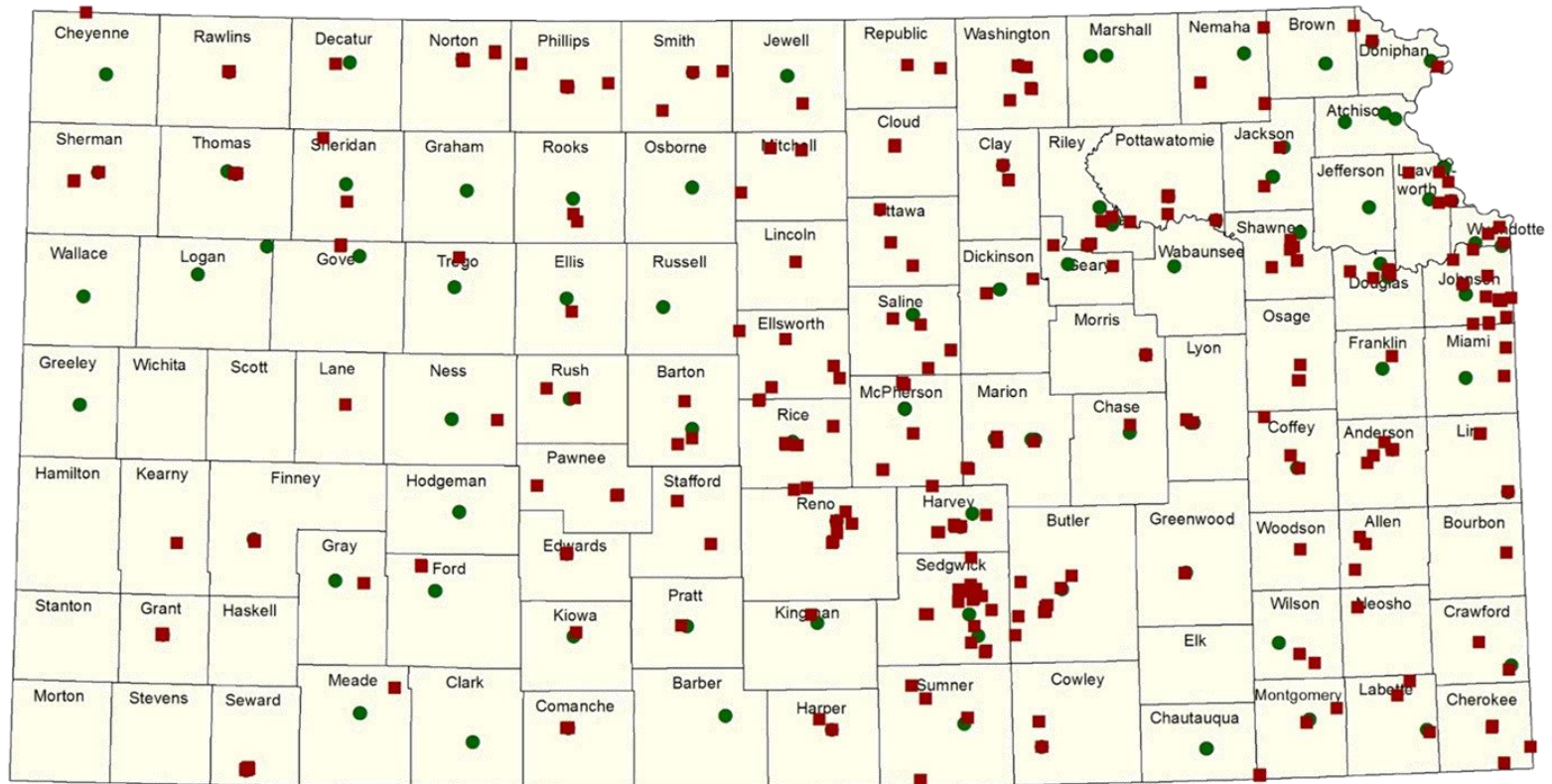


Waste Reduction/Diversion from Landfill

Household Hazardous Waste Collection



Composting and HHW Facilities (2016)

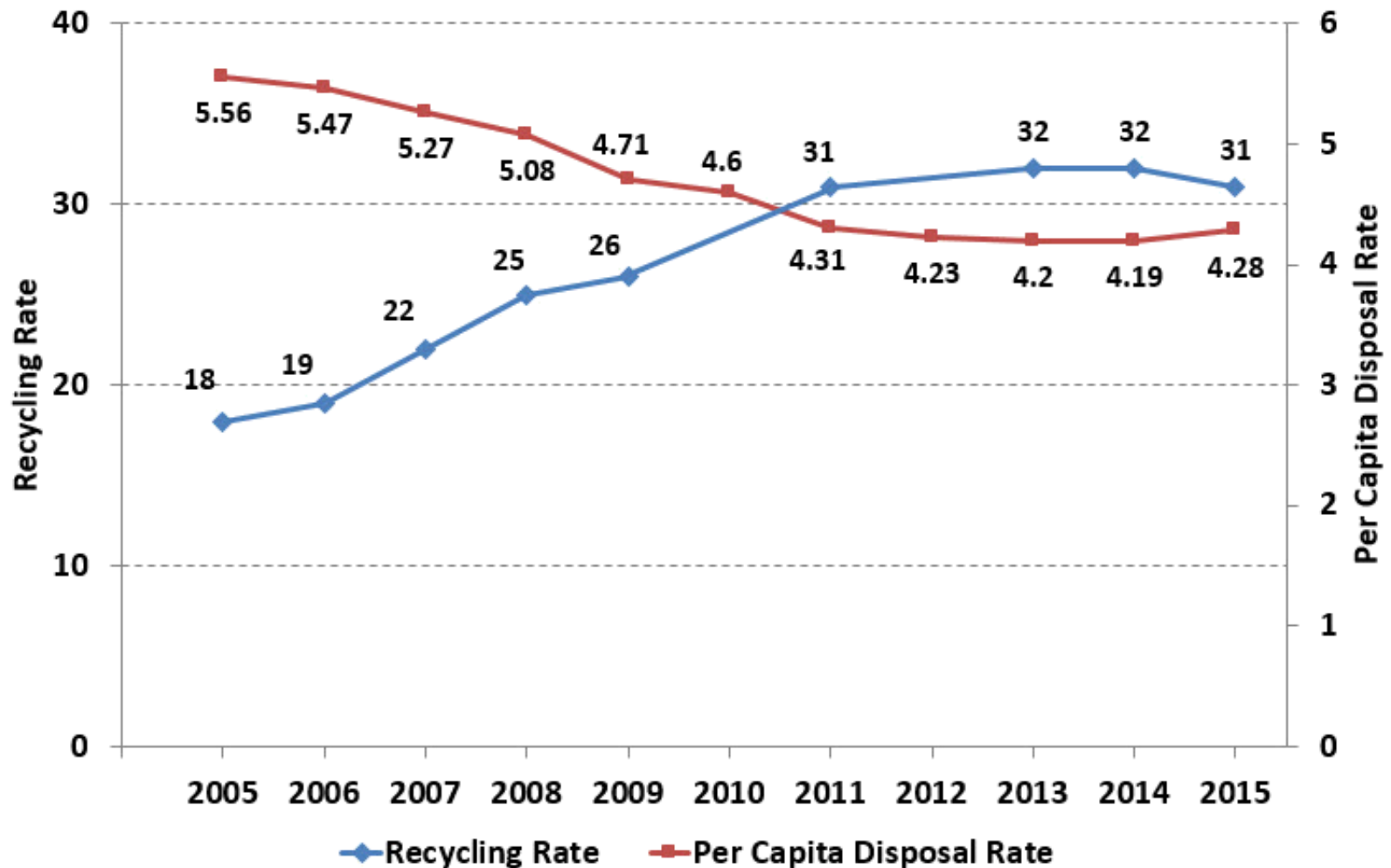


HHW (87)



Composting (178)

Kansas MSW Recycling Rate and Per Capita Disposal Rate



Grants



Household Hazardous Waste

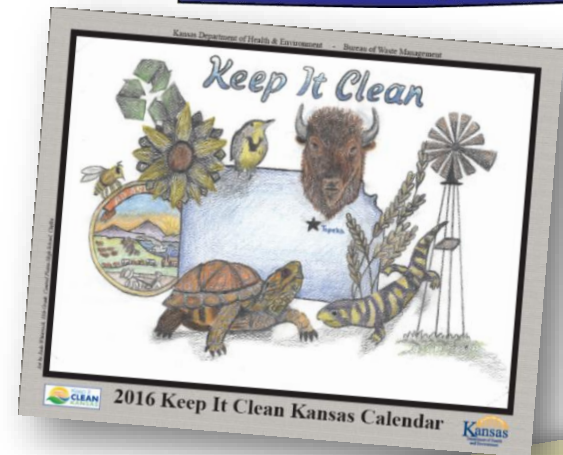
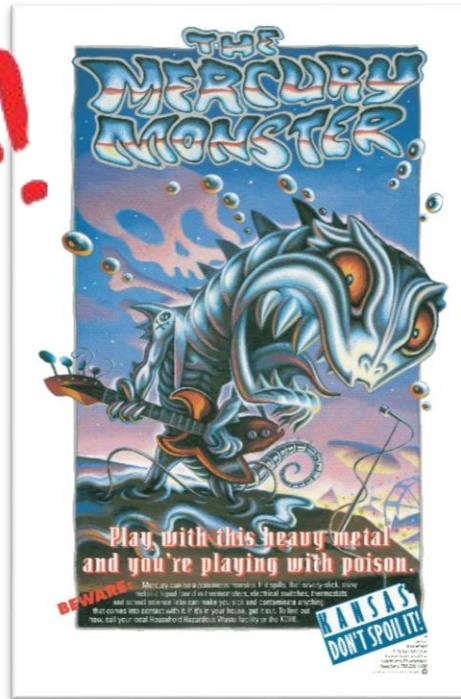
Green Schools



Waste Tire Products

Public Education, Outreach, Special Projects

WORKS!



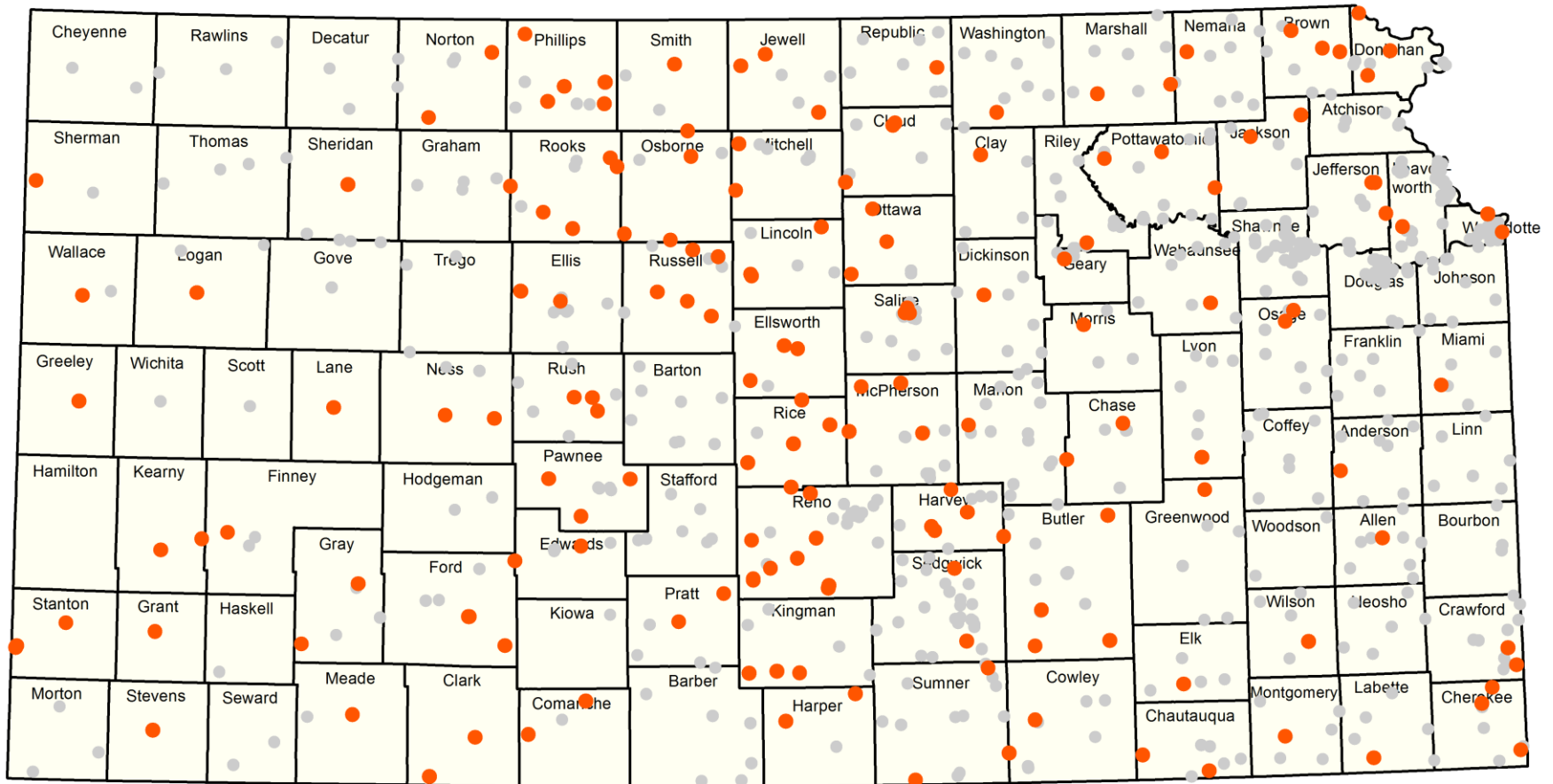
BWM Solid Waste Clean-Up Programs and Special Waste Disposal

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Old City Dumps



Old City Dumps



Total Number - 770

● Old City Dumps Needing Repair - 167

Illegal Dumps



Railroad Tie Collection and Disposal



Waste Tire Piles



E-Waste Management

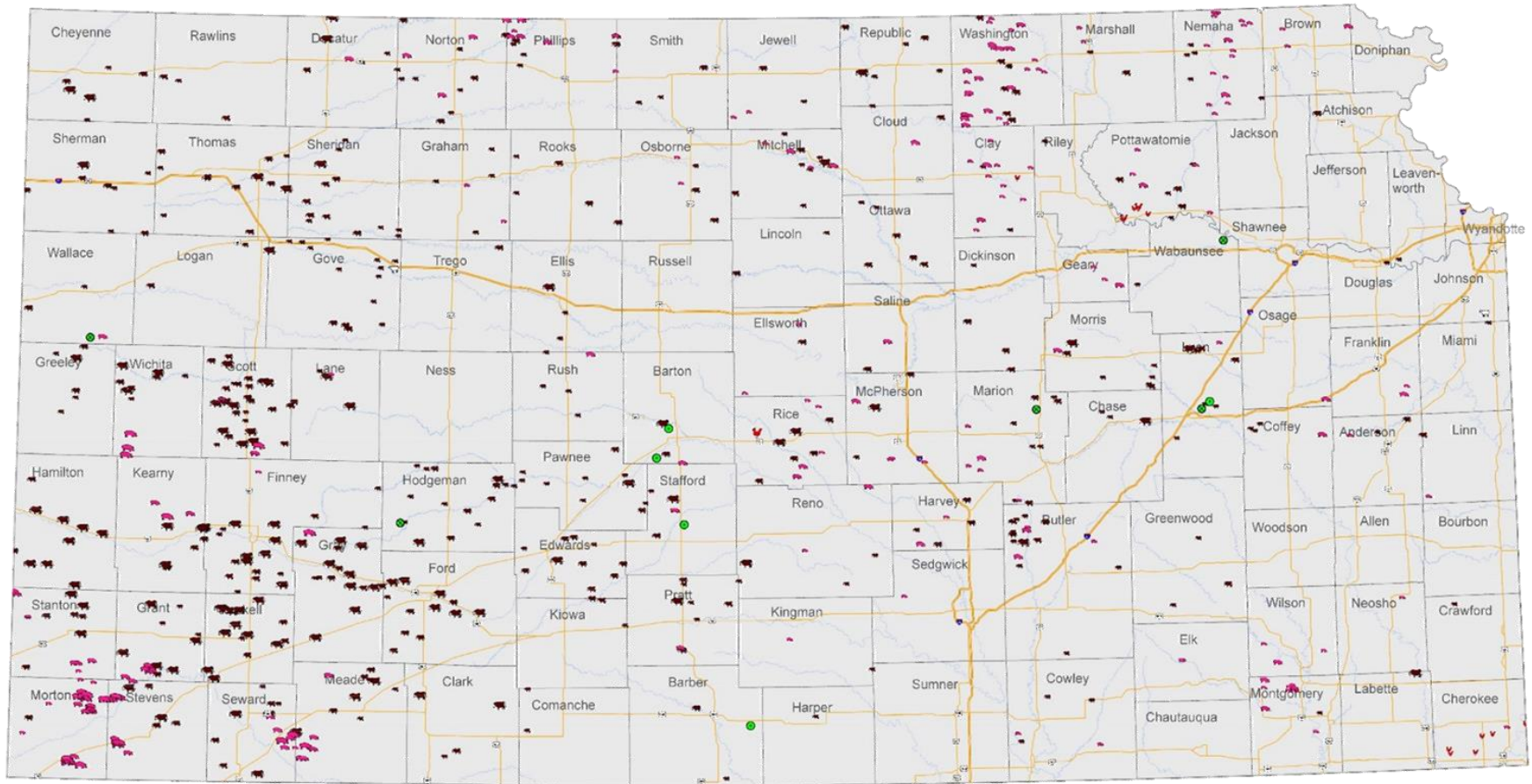


Oil and Gas Drilling Waste Management



- Land-spreading
- On-site pit disposal
- MSW landfill disposal
Liquids/RD&D program
- NORM issues

Dead Animal Disposal Pre-Selected Site Map (cattle, pigs, turkeys, chickens)



745 pre-selected sites

Natural Disaster Debris Management

Major Tornadoes in Kansas

- Hoisington – 2001
- Greensburg – 2007
- Chapman – 2008
- Manhattan -2008
- Reading – 2011
- Joplin, MO – 2011
- Harveyville – 2012
- Wichita – 2012
- Baxter Springs – 2014
- Ford/Dickinson Counties – 2016
- Eureka - 2016



Hazardous Waste Program

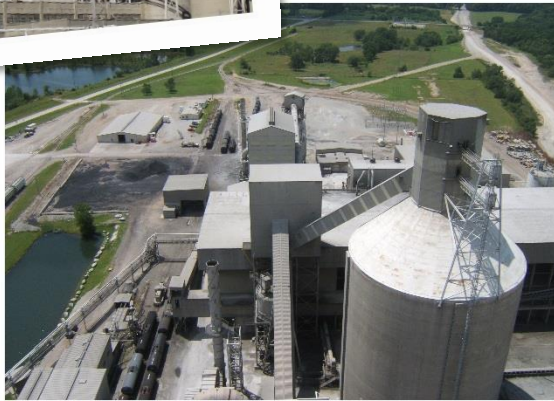
2 Parts

- TSD Permitting and Corrective Action
- Generator Compliance

Hazardous Waste Facility Permitting & Compliance

55 Treatment, Storage, or Disposal Facilities
(active and inactive)

- Commercial Treatment
- Military Bases
- Oil Refineries
- Chemical Plants
- Wolf Creek Power Plant
- Cement Kilns



HW Permitting Program Activities

- Inspections
- Groundwater Monitoring
- Permit Modifications and Maintenance
- RCRA Corrective Action/Clean-Up
- EPA and BER Coordination

Also, HW Transporter Registration

Hazardous Waste Generator Compliance

The image shows a sample of a Uniform Hazardous Waste Manifest form. The form is titled "UNIFORM HAZARDOUS WASTE MANIFEST" and contains several sections for data entry. Key sections include:

- Generator's Name and Mailing Address** (Section 1)
- Generator's Phone** (Section 2)
- Transporter 1 Company Name** (Section 3)
- Transporter 2 Company Name** (Section 4)
- Designated Facility Name and Site Address** (Section 5)
- DOT Description** (Section 6)
- Additional Descriptions for Materials Listed Above** (Section 7)
- Special Handling Instructions and Additional Information** (Section 8)
- Generator's Certification** (Section 9)
- Transporter 1 Acknowledgement of Receipt of Materials** (Section 10)
- Transporter 2 Acknowledgement of Receipt of Materials** (Section 11)
- Discrepancy Indication Space** (Section 12)
- Facility Owner or Operator Certification** (Section 13)



- 183 Large Quantity Generators
- 1600 Small Generators
- Many thousands CESQG generators

Hazardous Waste Generator Compliance Issues

- Storage
- Labelling
- Shipping
- Recordkeeping
- Disposal
- Recycling
- Emergency Preparedness
- Training

Randomly Inspected – about 350 per year

Current Hot Waste Issues

- New Regulations
 - NORM disposal in Kansas
 - Medical waste regulation update
- Generator Training Workshops – Sep 13 to Oct 4
- HHW Online 8-Hour Refresher Training
- Landfill Gas Fact Sheet / FAQs
- Household Medical “Sharps” Webpage
- Old City Dump Repairs (167)
- Landfill Closure & Post-Closure/Financial Assurance
- Eureka Tornado Debris Management

Bureau of Waste Management

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